

TMCP 1 F1 300 8,0A - Thermal-magnetic device circuit breaker



0915645

<https://www.phoenixcontact.com/us/products/0915645>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Thermal-magnetic circuit breaker, 1-pos., fast blow, 1 N/O contact and 1 N/C contact

The figure shows version TMCP 1 F1 300
2,0A

Commercial data

Item number	0915645
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL04
Product key	CLA123
GTIN	4017918600853
Weight per piece (including packing)	49.46 g
Weight per piece (excluding packing)	49.46 g
Customs tariff number	85362010
Country of origin	DE

TMCP 1 F1 300 8,0A - Thermal-magnetic device circuit breaker



0915645

<https://www.phoenixcontact.com/us/products/0915645>

Technical data

Product properties

Product type	Thermomagnetic device circuit breakers
Product family	TMCP
Type	Male
Number of positions	1

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Electrical properties

Fuse type	Automatic device
-----------	------------------

General

Rated voltage	65 V DC
Rated current I_N	8 A
Rated surge voltage	2.5 kV
Insulation resistance R_{iso}	> 100 M Ω (500 V DC)
Auxiliary circuit	240 V AC / 1 A (Low-induction) 65 V AC / 1 A (Low-induction)
Tripping method	TM (thermal-magnetic)
Device resistance	0.025 Ω
Rated short-circuit switching capacity I_{cn}	2500 A (32 V DC)
Short-circuit switching capacity	5000 A (UL 1077: 277 V AC) 2000 A (UL 1077: 65 V DC)
Dielectric strength	3000 V AC (Actuation area) 1500 V AC (Main to auxiliary circuit) 1000 V AC (Auxiliary circuit 11 - 12 to 23 - 24)
Switching cycles, max.	10000 (At $1 \times I_N$, inductive)
Fuse	F1 (fast blow)
Contact switching type	1 N/O contact 1 N/C contact

Connection data

Connection method	pluggable
Connection method	pluggable

Dimensions

Width	12.5 mm
Height	50 mm
Depth	78.5 mm

TMCP 1 F1 300 8,0A - Thermal-magnetic device circuit breaker



0915645

<https://www.phoenixcontact.com/us/products/0915645>

Complete module width	38 mm
Complete module height	115 mm
Complete module depth	121 mm

Material specifications

Flammability rating according to UL 94	V-2
Insulating material group	II
Insulating material	PA66

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30 (Actuation area) IP00 (Connection area)
Ambient temperature (operation)	-30 °C ... 60 °C
Humidity test	240 h, 95 % RH, 40 °C

Standards and regulations

Standards/specifications	EN 60934
Standards/specifications	UL 1077

Mounting

Mounting type	on base element
---------------	-----------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com